

IN THE SPECIFICATION

Please amend the title as follows:

-- INTERPOLATION PROCESS FOR AN IMAGE PROCESSING
APPARATUS CAMERA SIGNAL PROCESSING APPARATUS AND CAMERA SIGNAL
PROCESSING METHOD--

Please amend the abstract as follows:

~~----A camera~~ Camera signal processing apparatus comprises ~~an interpolated pixel~~
~~data generating means~~ for interpolating, at least on two directions, pixel data based on an
imaging signal from a solid-state image sensor in which an imaging light enters through a color
filter having a different spectral characteristic for each pixel separately generating interpolated
pixel data in the ~~at least two directions~~; ~~a correlation detecting means~~ for detecting a correlation
value indicative of a degree of correlation in each of the ~~at least two directions~~ of the interpolated
pixel data; ~~a normalizing means~~ for normalizing the correlation value of each of the ~~at least two~~
directions to generate a normalized value indicative of a relative value of the correlation value of
each of the ~~at least two directions~~; ~~a correcting means~~ for adding a predetermined correction
value to the normalized value; ~~a weighting means~~ for weighting the interpolated pixel data in
each of the ~~at least two directions~~ by the normalized value and adding together the weighted
interpolated pixel data in all of the ~~at least two directions~~, and; ~~and an image generating means~~
~~for generating an image based on the interpolated pixel data weighted by the weighting means.~~--